

**WHAT IS CLAIMED IS:**

1. An orthopedic casting slipper kit for custom molding of a foot impression comprising.

(a) a low-cut resilient fabric impression  
5 slipper shaped to extend upwardly on a patient's foot from a plantar surface of the foot to an open end sufficiently low to enable removal of the hardened slipper without cutting, the fabric of the impression slipper being sufficiently resilient to substantially  
10 conform to the patient's foot, and a longitudinally resiliently extensible band being provided on the impression slipper proximate the open end, the band being formed to hold the open end of the impression slipper snugly against the patient's dorsum and heel;  
15 and

(b) a quantity of curable resin sufficient to harden the impression slipper into a cast foot impression, the resin being provided in one of: a container separate from the impression slipper, and  
20 impregnated into the fabric of the impression slipper.

2. The kit as defined in claim 1, and  
an arch strap dimensioned to span transversely  
25 over the dorsum of the patient's foot and across the open end, and the arch strap being securable to the impression slipper on a medial side and on a lateral side of the impression slipper in the area of the patient's arch, and the arch strap being formed to  
30 pull the impression slipper up into contact with the patient's arch.

3. The kit as defined in claim 2 wherein,  
the impression slipper extends from the plantar  
surface up the dorsum by a distance about one-third  
of the distance from the base of the patient's toes;

5 and

the arch strap includes a fastening structure  
formed for attachment to the impression slipper.

4. The kit as defined in claim 3 wherein,

10 the arch strap is a substantially non-extensible  
material, and the arch strap and the resiliency of  
the impression slipper pulls the impression slipper  
up against the patient's arch.

15 5. The kit as defined in claim 2 wherein,

the arch strap is provided with a strip of hook-  
type fastener material formed to cooperatively engage  
the fabric of the impression slipper to be secured  
thereto.

20

6. The kit as defined in claim 2 wherein,

the resin is impregnated in the fabric of the  
impression slipper and the resin impregnated  
impression slipper is stored in a pouch, and

25 a release envelope formed for mounting over the  
patient's foot under the impression slipper, and the  
release envelope being formed of a material to which  
the resin will not adhere upon curing.

30 7. The kit as defined in claim 7 wherein,

the resin is a water curable resin, and the  
fabric is a knit fabric.

8. The kit as defined in claim 7, and  
a manipulating envelope formed for mounting on  
the patient's foot over the impression slipper and  
formed of a material to which the resin will not  
5 adhere upon curing.

9. The kit as defined in claim 1 wherein,  
the impression slipper includes a color-coded  
indicia in the fabric indicating the size of the  
10 impression slipper.

10. A method of creating a custom molded foot  
impression comprising the steps of:

mounting a low-cut resilient impression slipper  
15 having a curable resin impregnated therein over a  
patient's foot, the impression slipper having an arch  
strap attached to one of a medial side and a lateral  
side of the impression slipper;

pulling the impression slipper up into contact  
20 with the patient's arch;

while the impression slipper is in contact with  
the patient's arch, fastening the arch strap to the  
other of the medial side and the lateral side of the  
impression slipper to maintain the impression slipper  
25 in contact with the arch;

manipulating the patient's foot to achieve a  
desired orientation; and

hardening the resin in the impression slipper  
while the patient's foot is in the desired  
30 orientation.

11. The method as defined in claim 10 wherein,  
and prior to the pulling step attaching one end  
of the arch strap to a medial side of the impression  
slipper; and

5 during the pulling step, using the arch strap to  
pull the impression slipper into contact with the  
arch.

12. The method as defined in claim 11 wherein,  
the fastening step is accomplished by hooking a  
10 strip of hook fasteners provided on the arch strap to  
the lateral side of the impression slipper.

13. The method as defined in claim 10 and the step  
of:

15 prior to the mounting step, mounting a release  
envelope over the patient's foot.

14. The method as defined in claim 10 and,  
after the hardening step, removing the hardened  
20 impression slipper from the patient's foot; and  
making a foot orthosis using the hardened  
impression slipper.

15. The method as defined in claim 14 wherein,  
25 the making step is accomplished by placing a  
casting material inside the hardened impression  
slipper and removing the hardened casting material  
from inside the hardened impression slipper by  
cutting the hardened impression slipper downwardly in  
30 the area of the heel and downwardly from the instep  
to proximate the area of the toes and bending the

medial and lateral sides of the hardened slipper  
outwardly to release the hardened casting material.